

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015341**Date Inspected:** 04-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu tao / Li yan hua**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

BAY#19

FCAW welding of weld joint 2F-072 located on PCMK BK004A6-004 the welder is identified as 208939. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2132.

FCAW welding of weld joint 3G-086 located on PCMK BK004A6-004 the welder is identified as 208641. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2332-Tc-P4-F.

FCAW welding of weld joint 3G-067 located on PCMK BK004A6-004 the welder is identified as 208641. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2333-Tc-U4c-F.

This QA inspector performed 15% MT of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as OBG Suspender bracket drip plates. The weld designations reviewed as follows. NWIT- 06116.

SBDP-P1-003, 005, 013,018,025-001

SBDP-P2-001,004,006-001.

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

SBDP-P3-003,008,007,014-001.

SBDP-P3-003,008,007,014-002.

SBDP-P4-002,009,014,018-001.

SBDP-P4-002,009,014,018-002.

This QA inspector performed MT of Critical weld repair area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as OBG Suspend bracket. The weld designations reviewed as follows. NWIT- 06121.

SB007-048-001,032.

BAY#16

SAW welding of weld joint 1G-004 located on PCMK BP3074-001 of Segment 13AW welder is identified as 450270. ZPMC QC is identified as Mr. Xin chun hui. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2221-B-U3c-S-2.

Visual inspection of weld joint fit-up dimension and tack weld checked with ZPMC QC  
Mr. Xin chun hui , the weld is identified as BP3073-001-002 for Lift 13AW.

OUTSIDE SHOP

11DE

FCAW welding of weld joint 2G-042 located on PCMK SEG072A of Segment 11DE welder is identified as 054013. ZPMC QC is identified as Mr. Tang ya jun . The welding variables recorded by QC appeared to Comply with the WPS-B-P-2232-Tc-U4b-F.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant Conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-15--0042-2372, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
----------------------	--------------	-----------------------------

---

<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer
---------------------	-------------------	-------------

---